

ERLON BERTOLOSSI

Solution Architect & Senior Engineer · AI Agents · Founder, Bertolossi Consulting

Sydney, Australia · +61 425 719 827 · erlon@bertolossi.com

bertolossi.com · linkedin.com/in/erlonbertolossi · github.com/Bertolossi

SUMMARY

Solution architect and senior full-stack engineer with 25 years designing and building production cloud software for healthcare, mining, and medical-device companies. Microsoft Azure-certified. Architecture and engineering in the same hands — I design the solution, then build it, and own both ends. Founder of Bertolossi Consulting Pty Ltd, currently delivering a multi-year engagement at eHealth NSW. Pairing decades of systems-engineering judgment with modern AI tooling — actively shipping with Claude Code, GitHub Copilot and ChatGPT, and learning into the Microsoft AI stack.

CORE SKILLS

Cloud & Azure Azure Functions, App Service, IoT Hub, CosmosDB, Service Bus, Stream Analytics, Storage, Azure DevOps, Pipelines

Backend .NET / .NET Core (1 → 10), C#, ASP.NET Core, Entity Framework, GraphQL, REST, Python, RabbitMQ, SignalR, SQL Server

Frontend Angular (2 → modern), TypeScript, RxJS, HTML5, SASS, Bootstrap, Progressive Web Apps

DevOps & Tooling Docker, Containers, Azure Pipelines, Bamboo, Atlassian (Jira, BitBucket)

AI & Agents Claude Code, GitHub Copilot, ChatGPT · Azure OpenAI & AI Foundry (learning)

Practices Agile / Scrum, CI/CD, TDD, microservices, system design, technical leadership

EXPERIENCE

Founder & Principal Engineer | Bertolossi Consulting Pty Ltd

Jul 2021 – Present

Sydney, Australia · Remote

- Sydney-based consulting practice delivering Azure cloud and full-stack solution architecture across **government and private-sector clients** in regulated industries.
- **Government — eHealth NSW / NSW Health** (4+ years): designed and delivered the **NSW Statewide Database & Content Management System v1** (.NET Core 3, GraphQL, SQL Server, Angular 9) and a **v2 rewrite on .NET Core 10** with full unit and integration test coverage.
- Built the **NSW Medicines Formulary** on Azure (.NET Core 8, SQL Server) — a pharmaceutical reference used across NSW Health. Integrated with downstream legacy systems via WCF; designed and configured Azure DevOps pipelines for CI/CD across all components.
- **Private sector — Saluda Medical** (returning client): building and maintaining **patient reports, clinical dashboards, and in-clinic surveys** for the implantable medical-device program.
- Extending the offering into **AI-agent-assisted development** and engineering-workflow automation, applied to live client deliveries.

Senior Software Engineer | Pempek Systems

Dec 2019 – Jul 2021

Sydney, Australia

- Architected and built a new **Azure-based telemetry platform** for underground mining machines worldwide using IoT Hub, Stream Analytics, Functions, App Services, Containers, CosmosDB and SQL Server.
- Designed microservices in .NET Core, Python and RabbitMQ that deploy **both to Azure and to on-site Docker Enterprise** — one codebase, two targets, one pipeline.
- Implemented custom application telemetry and KPI events through Azure Monitor; built operator-facing web apps in Angular 7 with NUnit-backed test coverage.

Senior Full-Stack Engineer | Saluda Medical

Mar 2017 – Dec 2019

Sydney, Australia

- Architected and built the **Clinical Programming Application** end-to-end — from low-level device communication through to data persistence — for an implantable medical-device program.
- Backend on .NET Core 1/2 (ASP.NET Core, EF Core); frontend on Angular 2+ as a Progressive Web App with **offline mode** for clinical-field use.
- Stood up Azure infrastructure (App Service, Storage, IoT Hub, Functions, CosmosDB, SQL Server) and supplementary AWS services (S3, EC2, Lambda, IoT Core, Aurora, Athena).
- Test coverage with NUnit (backend) and Jasmine / Karma / Protractor (frontend); CI/CD via Bamboo.

- Generated PDF clinical reports for field use worldwide; supported analyst data extraction via SQL and a custom REST API.

Senior Software Engineer | Pempek Systems

May 2013 – Mar 2017

Sydney, Australia

- Built ASP.NET API and WCF backend services with AngularJS frontends for global mining operations reporting.
- Authored real-time monitoring web apps using **SignalR 2.0 WebSockets**; designed multi-threaded Windows WPF / Forms applications in C# 3.5–4.5.
- Developed embedded solutions on Windows CE / .NET Compact Framework; implemented industrial communications over TCP, UDP, FTP and Ethernet/IP.

EARLIER EXPERIENCE • 2001 – 2013

Senior PHP Developer at The White Agency (2012); Senior Software Engineer at Savvy Software (2012) and Netcorp National (2011–2012); contract Web Developer roles at Stay Global / Accommodation Now and Sollarium Entreterimento (2010); Software Engineer at Labex S/A (2004–2010, microcontroller programs in C, lab-analysis systems in Object Pascal); Junior Web Developer at TV Anhanguera / Rede Globo (2001–2002).

CERTIFICATIONS & TRAINING

- **Microsoft Certified: Azure Developer Associate** — issued 2021 (refreshing toward AZ-204 + AI-102)
- **Microsoft Certified: Azure Solutions Architect Expert** — AZ-303 passed, 2021 (AZ-305 in progress)
- Microsoft Certified Solution Developer (MCSD) · Microsoft Certified Solution Associate (MCSA)
- Scrum Master Certified — Scrum Alliance

EDUCATION

Pontifícia Universidade Católica de Goiás — Computer Engineering · 2001 – 2004

Universidade Federal de Goiás — Computer Science · 2009 – 2010

LANGUAGES

Portuguese (native) · English (fluent) · Spanish (intermediate)